



## APPROACH



Figure 1: Data Flow Diagram

This activity involved collecting data from the **Netflix user database**. The data sets retrieved were converted from excel to csv format using **MS Excel**. Extract, Transform and Load processes were used to ingest all data into **python** for transformation (Data profiling, cleaning, type conversion& feature engineering), and loading into **MySQL database** for querying. The transformed data was imported from MySQL database into **Power BI** for further analysis of viewing habits and content preferences of movies watched in **2023**, resulting in a design of an insightful storyboard.

## SUMMARY OF KEY INSIGHTS AND LESSONS

- From the findings, a total of 1.008K movies comprising of 13 genres were watched within 15K days in 2023.

- It can be inferred that, Drama

(287), Comedy (142), Action& Thriller (107 each) are the 4 most preferred movie genres.

- Based on the daily trends in viewership, insights indicate that Saturdays, Sundays, Thursdays and Fridays are the best days for watching movies, as they show the highest average runtime per movies watched.
- On a monthly basis, January, February, April & May had the most number of movies watched across all days of the week. This suggests they are the less busy seasons.
- Based on the highest popularity rating and votes, movies produced by Warner Bros, Walt Disney, Twentieth Century Fox, Paramount Pictures & Columbia Pictures would be the main focus in future.

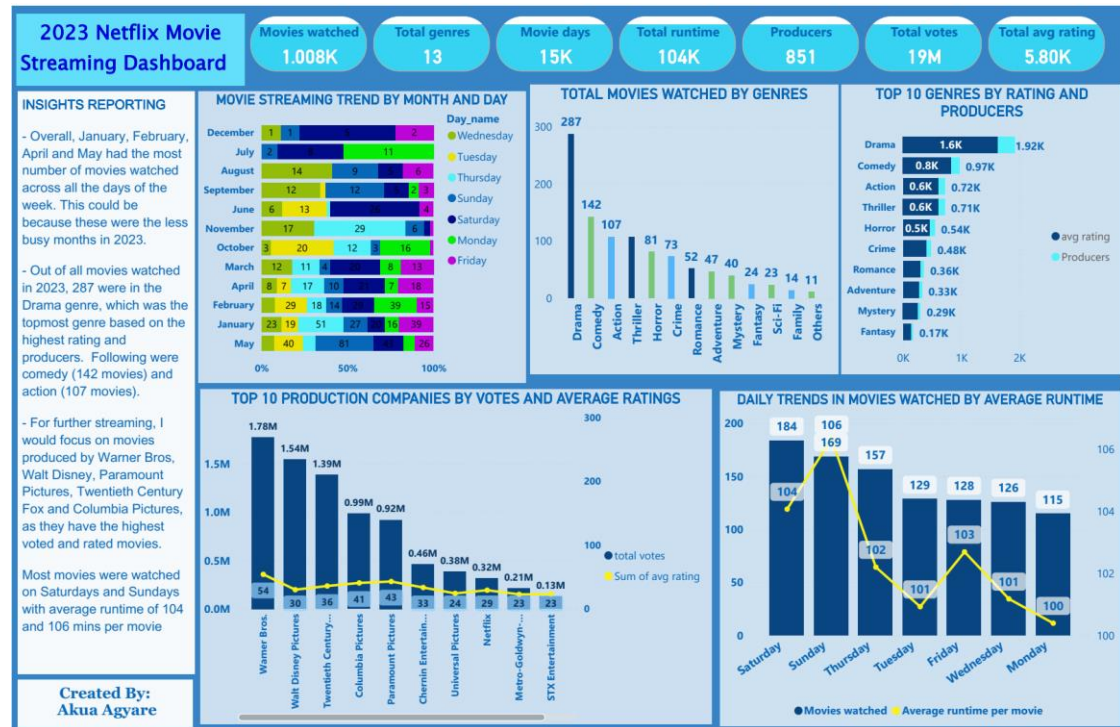


Figure 2: Netflix Movie Streaming Data Storyboard